

C =====
C = ROUTINE 2. =
C =====

SEMCHK 254MB

PROGRAM SEMCHK

C *****
C * THIS ROUTINE IS ALWAYS CALLED BEFORE A SYSTEM
C * CAN BE GENERATED. THE PURPOSE IS TO MAKE SURE
C * THAT PREVIOUS SYSTEM IS DUMPED BEFORE NEXT
C * JOB STARTS.
C *****

DOUBLE INTEGER BTPT
CHARACTER OPMESS * 50
CHARACTER SLINE * 81
CHARACTER SEMAPH * 10
CHARACTER LISTFI * 11
CHARACTER FINAM * 11
CHARACTER BATOUT * 11
CHARACTER S3TYPE * 6
CHARACTER DELIM * 30
CHARACTER SPACE * 1
CHARACTER BANO * 1
CHARACTER INPFIL * 30

DATA SPACE /' '/
DATA S3TYPE /'** '/
DATA DELIM /'===== '/
DATA OPMESS /'OPERATOR SYSTEM FOR MUST BE DUMPED!''/'

LUN=10
IOCCU=0
LUND=101R

C * READ PRESENT POSITION ON BATCH-FILE AND REWIND

CALL REABT(LUND,BTPT)
REWIND LUND

C * GET FILNAMES FROM BATCH-FILE

CALL FILINF(LUND,SEMAPH,LISTFI,BATOUT,ISTAT)
IF (ISTAT.NE.0)GOTO 500

```

C * OPEN THE SEMAPHORE-FILE, NAME IS FOUND IN SEMAPH
    FINAM(11:11)=SPACE
    FINAM=SEMAPH
    OPEN(LUN,ERR=600,FILE=FINAM,STATUS='OLD',ACCESS='RW')
    REWIND LUN

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C * CHECK IF SEMAPHORE IS FREE

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    READ(LUN,1111,ERR=601)SLINE
    READ(LUN,1111,ERR=601)INPFIL
    IF(SLINE(1:1).EQ.SPACE
1      .OR.SLINE(14:14).EQ.SPACE
2      .OR.SLINE(59:59).EQ.SPACE)
3 GOTO 100

```

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C * SEMAPHORE-FILE IS NOT FREE
C * MESSAGE TO OPERATOR AND BATCHFILE, PREVIOUS SYSTEM
C * MUST BE DUMPED

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    OPMESS(21:28)=SLINE(1:8)
    CALL COMND(OPMESS)
    WRITE(1,6000)SLINE(1:8)
    IOCCU=1
    GOTO 900

```

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C *****
C * SEMAPHORE IS FREE

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C * SAVE BATCHNUMBER IN BANO

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100    BANO=SLINE(12:12)

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C * GET CPU-NO, CUSTOMER-NAME AND VERSION

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    REWIND LUNO
    CALL GETINF(LUNO,SLINE,ISTAT)
    IF(ISTAT.NE.0)GOTO 500

```

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C * FIND TYPE OF SYSTEM AND PUT IN S3TYPE

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    S3TYPE(3:6)=LISTFI(6:9)

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C * WRITE SLINE IN SEMAPHORE-FILE

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    REWIND LUN
    SLINE(12:12)=BANO
    WRITE(LUN,1000,ERR=602)SLINE,S3TYPE
    WRITE(LUN,1111,ERR=602)INPFIL
    WRITE(LUN,2100)
    CLOSE (UNIT=LUN)

```

```

C * OPEN LISTFILE AND WRITE HEADER WITH SLINE AND DATCL

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```

    SLINE(12:12)=SPACE
    FINAM=LISTFI
    OPEN(LUN,ERR=600,FILE=FINAM,STATUS='OLD',ACCESS='W')
    REWIND LUN
    WRITE(LUN,2000,ERR=602)DELIM,DELIM,DELIM
    WRITE(LUN,2100,ERR=602)
    WRITE(LUN,1000,ERR=602)SLINE,S3TYPE
    WRITE(LUN,2100,ERR=602)
    WRITE(LUN,1100,ERR=602)
    CALL WCLOCK(LUN)
    WRITE(LUN,2100,ERR=602)
    WRITE(LUN,2000,ERR=602)DELIM,DELIM,DELIM
    WRITE(LUN,2200,ERR=602)
    CLOSE (UNIT=LUN)

```

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C *****
C * PROGRAM TERMINATES =====
C *****

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    CALL SETBT(LUNO,BTPT)
    CALL LEAVE

```

```

C *****

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C *****
C * ERROR MESSAGES AND ERROR TERMINATION

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C * ERROR IN READING INFORMATION

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```

500    WRITE(1,3000)
        GOTO 900

```

```

C * ERROR IN OPENING FILES

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600    IERR=ERRCODE
        WRITE(1,4000)FINAM
        WRITE(1,5000)IERR
        CALL MON64(IERR)
        GOTO 950

```

C * ERROR IN READING FROM SEMAPH-FILE

```
601  IERR=ERRCODE
      WRITE(1,4100)FINAM
      WRITE(1,5000)IERR
      CALL MON64(IERR)
      GOTO 900
```

C * ERROR IN WRITING ON FILES

```
602  IERR=ERRCODE
      WRITE(1,4200)FINAM
      WRITE(1,5000)IERR
      CALL MON64(IERR)
      GOTO 950
```

C *****
C * ERROR TERMINATION =====
C *****

```
900  CLOSE(UNIT=LUN)
950  CALL RMAX(LUN0,BTPT)
      BTPT=BTPT-4
      CALL SETBT(LUN0,BTPT)
      IF(IOCCEQ.0)CALL SEMOFF(SEMAPH,0)
      CALL LEAVE
```

C *****
C * FORMATS

```
1000  FORMAT(A,A)
1100  FORMAT(1H$, *GENERATED : *)
1111  FORMAT(A)
2000  FORMAT(1H$,A,A,A)
2100  FORMAT(/)
2200  FORMAT(////)
3000  FORMAT(/,1H ,*INFORMATION CAN NOT BE READ (BATCHFILE)!*,/)
4000  FORMAT(/,1H ,*ERROR IN OPENING FILE : *,A)
4100  FORMAT(/,1H ,*ERROR IN READING FROM FILE : *,A)
4200  FORMAT(/,1H ,*ERROR IN WRITING ON FILE : *,A)
5000  FORMAT(/,1H ,*FILE SYSTEM ERROR : *,Z3,/)
6000  FORMAT(/,1H ,*SYSTEM FOR *,A,* MUST BE DUMPED!!*,//)
```

END

EOF